

What is claimed is:

1. A low resistance value resistor comprising:  
a resistor body comprised by a resistive alloy;  
at least two electrodes, comprised by metal strips having  
a high electrical conductivity, formed separately on one surface  
of the resistor body; wherein  
the metal strips are affixed on the resistor body by means  
of rolling and/or thermal diffusion bonding.
2. A low resistance value resistor according to claim 1,  
wherein a fused solder layer is formed on a surface of each electrode  
comprised by the metal strip.
3. A low resistance value resistor according to claim 1,  
wherein a portion of the resistor body is trimmed by removing a  
portion of the body material along a direction of current flow  
between the electrodes to adjust a resistance value.
4. A low resistance value resistor according to claim 3,  
wherein trimming is performed by shaving a portion of the body  
material in a thickness direction.
5. A low resistance value resistor according to claim 3,  
wherein trimming is performed by removing a corner portion of the  
body material along a longitudinal direction.

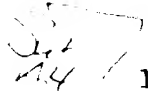
a resistor body comprised by a plate shaped resistive alloy;  
at least two electrodes, comprised by metal strips having  
a high electrical conductivity, affixed to the resistor body by  
means of rolling and/or thermal diffusion bonding; wherein

5 a thickness of the electrode is not less than a 1/10 fraction  
of a thickness of the resistor body.

7. A low resistance value resistor according to claim 6,  
wherein said ~~two~~ electrodes are disposed at both ends of a first  
10 surface of the resistor body, and two second electrodes are disposed  
at both ends of a surface opposite to the first surface having the  
electrodes.

8. A low resistance value resistor according to claim 6,  
15 wherein a fused solder layer is disposed on each electrode surface.

9. A low resistance value resistor according to claim 7,  
wherein a wire site is formed on each second electrode for  
connecting a wire for voltage measurements.

20  10. A low resistance value resistor according to claim 6,  
wherein a resistivity of the electrode comprised by the high  
electrical conductivity metal strip is not less than a 1/150  
fraction and not more than a 1/2 fraction of a resistivity of the  
25 resistor body.

11. A low resistance value resistor according to claim 6.

copper-nickel alloy, nickel-chromium alloy, iron-chromium alloy, manganese-copper-nickel alloy, platinum-palladium-silver alloy, gold-silver alloy, and gold-platinum-silver alloy.

5           12.    A low resistance value resistor according to claim 6, wherein said resistor body is trimmed to adjust a resistance value by removing a portion thereof along a direction of current flow between the electrodes.

10           13.    A low resistance value resistor comprising:  
              a resistor body comprised by a plate shaped resistive alloy;  
              at least two electrodes, comprised by metal strips having high electrical conductivity, formed separately on one surface of the resistor body; and

15           an insulation layer for covering a portion of said surface between said electrodes.

            14.    A low resistance value resistor according to claim 13, wherein said resistor body is trimmed to adjust a resistance value  
20    by removing a portion thereof along a direction of current flow between the electrodes.

            15.    A low resistance value resistor according to claim 13, wherein an insulation layer is further provided for covering  
25    another surface opposite to the surface having the electrodes.

16.    A low resistance value resistor according to claim 13.

            said insulation layer comprises a conductive material.

which is coated on specific locations of the resistor body.

17. A low resistance value resistor according to claim 13,  
wherein said insulation layer comprises an insulative material,  
5 which is adhered on specific locations of the resistor body.

18. A low resistance value resistor according to claim 13,  
wherein said insulation layer comprises one of: an epoxy resin,  
an acrylic resin, a fluorine resin, a phenol resin, a silicone resin,  
10 and a polyimide resin.

19. A low resistance value resistor according to claim 13,  
wherein a material of the resistor body comprises one of:  
copper-nickel alloy, nickel-chromium alloy, iron-chromium alloy,  
15 manganese-copper-nickel alloy, platinum, palladium-silver alloy,  
gold-silver alloy, and gold-platinum-silver alloy.

20. A low resistance value resistor according to claim 13,  
wherein said electrode comprises copper or an alloy containing  
20 copper.

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